In [1]:
```python
a=20
b=30
print(a+b)
```

50

In [3]:
```python
a=20
b=30
ab="Pune"
```

In [4]:
```python
print(ab)
```

Pune

In [7]:
```python
print("The value of a: ",a,"Value of b: ",b,"from :",ab)
```

The value of a: 20 Value of b: 30 from : Pune

In [9]:
```python
p1="-----Thank You Visit Again------"
print(p1)
```

-----Thank You Visit Again------

In [11]:
```python
a="Data Science"
ab=a[5:12]
print(ab)
```

Science

In [13]:
```python
a="Data Science"
ab=a[-7:13]
print(ab)
```

Science

For Loop

In [16]:

```python
print("Data Science")
print("Data Science")
print("Data Science")
print("Data Science")
print("Data Science")
print("Data Science")
print("Data Science")
print("Data Science")
```

```
Data Science
Data Science
Data Science
Data Science
Data Science
Data Science
Data Science
Data Science
```

In [18]:

```python
for x in range(5):
    print("Data Science")
```

```
Data Science
Data Science
Data Science
Data Science
Data Science
```

In [19]:

```python
a=int(input())
b=int(input())
c=a+b
print(c)
```

```
50
41
91
```

In [22]:

```python
for x in range(3):
    a=int(input("Enter the Value:"))
    b=int(input("Enter the Value:"))
    c=a+b
    print(c)
    print("--------------------------------")
```

```
Enter the Value:50
Enter the Value:40
90
--------------------------------
Enter the Value:55
Enter the Value:44
99
--------------------------------
Enter the Value:66
Enter the Value:25
91
--------------------------------
```

In [23]:

```python
a="Pune"
for x in a:
    print("Data")
```

```
Data
Data
Data
Data
```

In [24]:

```python
for x in range(2,5):
    print("Machine :",x)
```

```
Machine : 2
Machine : 3
Machine : 4
```

In [25]:

```python
for x in range(5):
    print("Machine :",x)
```

```
Machine : 0
Machine : 1
Machine : 2
Machine : 3
Machine : 4
```

In [26]:

```python
for x in range(5,7):
    print("Machine :",x)
```

```
Machine : 5
Machine : 6
```

In [27]:

```python
for x in range(2):
    print("Machine :",x)
```

```
Machine : 0
Machine : 1
```

In [34]:

```python
a="Data Science is Important"
ab=a[13:15]
for b in range(5):
    print(ab)
```

```
is
is
is
is
is
```

In [31]:

```
is
is
is
is
is
```

In [33]:

```python
for x in "Datax":
    print("Mouse is Important",x)
```

```
Mouse is Important D
Mouse is Important a
Mouse is Important t
Mouse is Important a
Mouse is Important x
```

In [35]:

```python
ab=["Pune","Nashik","Mumbai"]
for x in ab:
    print("Machine Learning")
```

Machine Learning
Machine Learning
Machine Learning

In [36]:

```python
ab=["Pune","Nashik","Mumbai"]
for x in ab[0]:
    print("Machine Learning")
```

Machine Learning
Machine Learning
Machine Learning
Machine Learning

In [37]:

```python
ab=["Pune","Nashik","Mumbai"]
a=ab[0]
for x in a:
    print("Machine Learning")
```

Machine Learning
Machine Learning
Machine Learning
Machine Learning

In [40]:

```python
ab=["Pune","Nashik","Mumbai"]
for x in ab:
    for y in x:
        print("Machine Learning ","I am :",x,y)
```

Machine Learning I am : Pune P
Machine Learning I am : Pune u
Machine Learning I am : Pune n
Machine Learning I am : Pune e
Machine Learning I am : Nashik N
Machine Learning I am : Nashik a
Machine Learning I am : Nashik s
Machine Learning I am : Nashik h
Machine Learning I am : Nashik i
Machine Learning I am : Nashik k
Machine Learning I am : Mumbai M
Machine Learning I am : Mumbai u
Machine Learning I am : Mumbai m
Machine Learning I am : Mumbai b
Machine Learning I am : Mumbai a
Machine Learning I am : Mumbai i

```python
for x in range(3):
    name=input("Enter the Name: ")
    print(x)
    for x1 in name:
        print("Data Science",x1)
```

```
Enter the Name: Pune
0
Data Science P
Data Science u
Data Science n
Data Science e
```

Enter the Name: [   ]

In [42]:

```python
for x in "20":
    print("Data")
```

```
Data
Data
```


In [ ]: